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SIA Tr 802/1955

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The 5th and 7th Order Harmonics in Three-Phase
Transformers and Methods of Damping Them, by
V. Corlateanu, G. Serban,
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G. Burkhard, E. Werner.
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Sci -
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Espe, Werner.

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63-18616

Trans. of [Elektrotechnicky Casopis] (Czechoslovakia) 1958, v. 9, no. 4, p. 240-246.
Another trans. is available from SLA \$1.60 as 61-16158 [1961] [11p].

DESCRIPTORS: Gases, Permeability, *Heat resistant glass, Gas diffusion, Ceramic materials.

Data obtained from Western technical literature are presented.

(Materials--Ceramics, TT, v. 10, no. 10)

63-18616

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Office of Technical Services

(DC-4238)

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JPRS 6131

EEur - Czechoslovakia

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(DC-4585)

Method of Joining of Various Ceramic Materials
With Sealing Metals With the Aid of Plating and
Soldering, by Rudolf Harman, 13 pp.

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JPRS 6150

Sci - Electron
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ACSI 1-1616
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JPRS GUO 097

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62-20353

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USI OF DIELECTRIC HEATING IN THE RUBBER
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Order from SLA \$1.69

I. Simorda, J.

62-20353

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DESCRIPTIONS: "Rubber, *Heating, Dielectric
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(Material - Rubber, I, PT, v. 36, pag. 9)

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19 pp.

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AF 612875

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Forces Acting on the Faces of Stator Windings in
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No 8, Aug 1955, pp 395-406.

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CIA-4
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ASLIB-GB43

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Apr 62

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A Method of Testing High-Speed DC Circuit-Breakers
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CSIRO

Sci - Electricity

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Calculation of the Pressures in an Explosion
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ASLIB-GB10

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Capacitance Generators and Their Application ~~as~~ as
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1956, pp 138-144.

*ATIC MCL 759/1

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item 5, IC 41881

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J. Rath.

~~SECRET~~
RUSSIAN, per, Elektrotechnicky Obzor, Vol XLV,
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CZECH, per, Elektrotechnicky Obzor,
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Sci - Electron
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Temperature Rise in Iron Parts Placed Near
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Sci - Electricity

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nical Society for Electric Power and Electrical Engi-
neering in Brno on 1 Jun 1957, 8 pp. UNCLASSIFIED

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On the Occasion of the 80th Birthday of Professor
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US JPRS/NY-L-73

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The Measurements of the Magnetic Properties
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a Cathode Ray Tube Oscilloscope, by Jiri
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No 12, 1957, pp 638-645.

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Kühllemente für direkte Energieumwandlung auf Grund
von Halbleitersystemen

Elektrotechnicky obzor., 48, No. 4, 210-213 (1958) -German

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Capacitance Generators and Their Application as
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Karel Malek.

CZECH, per, Elektrotechnicky Obzor, Vol XLV, No 3,
1959, pp 153-144. 9661840

ATTIC MOL 759/1-2

Sci - Electricity
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SETBES

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Toward the Next Stage in the Development of
Czechoslovak Electrical Engineering, by Karel
Kvet, 6 pp. FOR OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX;
No 1, Prague, 1959, pp 1, 2.

JPRS 3391

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EEur - Czechoslovakia

Econ - Manufacturing

Jun 60

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Jan Basta is Sixty Years Old, by A. Veverka, 2 pp.

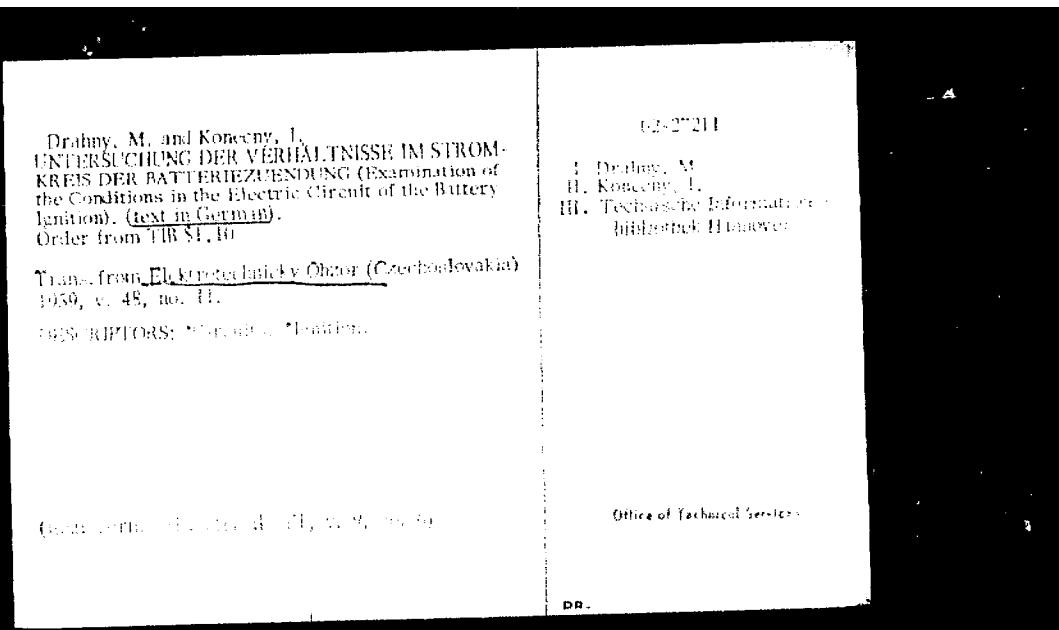
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Fifteen Years of Nationalized Electrotechnical
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FOR OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX,
No 2, 1960, Prague, pp 58-61.

JPSS 5139

EEur - Czechoslovakia
Econ - Manufacturing
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SETOC

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Transformers in the CKD from 1945 to 1960, by
Vaclav Vochoc, 8 pp. FOR OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 2,
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JPRS 5139

EEur - Czechoslovakia

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Fifteen Years of Development Rotary Machines
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FOR OFFICIAL USE ONLY

CZECH, per, Electrotechnicky Obzor, Vol XLIX, No 2,
1960, Prague, pp 66-72.

JPRS 5139

EEur - Czechoslovakia
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(NY-3996)

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High-Voltage Rectifiers of CKD Prague, by Milos
Nejedly, Milan Kubat, 17 pp. FOR OFFICIAL USE ONLY
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Fifteen Years of Medium and High-Voltage
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No 2, 1960, Prague, pp 83-91.

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Econ - Manufacturing
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Investigation of Technical Utilization of
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NTC-71-11756-20I

FTD-TT-65-840 - 1974 9678841

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Vaclav Dvorak, Joseph Hak, et al, 9 pp.
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1960, pp 169-173. 9220776
AEC-Tr-6306

Sci-Electr
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Water Models for Investigation of the
Flow of the Cooling Gas in Large Electric
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CZECH, per, Elektrotechnicky Obzor,
Vol XLIX, No 5, 1960, pp 260-267.

CSIRO

Sci - Electricity
Jun 62

203, 364

Vales, Jaroslav, Kopecek, Jan, and Hrbek, Bohumil.
ANALOGUE OF A VHV TRANSFORMER WITH
PACKED INSULATION AND ITS TESTING (Model
Transformátor VVN s Balenou Izolaci a jeho Zkoušení).
[1963] 23p. (foreign text included) 8 refs.
Order from SLA \$2.60 63-16703

Trans. of Elektrotechnicky Obzor (Czechoslovakia)
1960, v. 49, no. 7, p. 350-355.

DESCRIPTORS: *Power transformers, Design, Tests.
Electric discharges, *Electric insulation.

For the verification of the insulation and short-circuit
safety of transformers of the prepared additional
extensive Czechoslovak power system, the Lenin Works
in Plzen have constructed the model of a high-voltage
transformer with solid insulation (oil impregnated
paper) which in its size corresponds to a type perform-
(Engineering--Electrical, TT, v. 10, no. 7) (over)

63-16703

I. Vales, J.
II. Kopecek, J.
III. Hrbek, B.

Office of Technical Services

The Radical Contraction of Low-Pressure
Arcs in Mercury Vapor, by Albert Kloss,
18 pp.

CZECH, per, Elektrotechnicky Obzor, Vol XLIX,
No 7, 1960, pp 367-372. 9675849

FID-TP-61-92

Sci - Electron

188, 286

19 Mar 62

(DC-4852)

Heavy-Current Electrical Equipment Exhibited at
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CZECH, per, Elektrotechnicky Obzor, Vol XLIX,
No 9, 1960, pp 465-470.

JPRS 6738

EEur - Czechoslovakia

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(DO-4653)

Czechoslovak Electrical Machinery at the Prague FAIR,
Fair, by Mihulau Markov, 5 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol. XLIX, No 9,
1960, pp 470-474.

JPRS 6738

EMur - Czechoslovakia

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14/12/57

(DC-~~4~~65/3)
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On The Occasion of a Distinguished Anniversary,
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CZECH, per. Electrotechnicky Obzor, Vol XLIX,
No 10, 1960, pp ~~97-129.~~
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JPRS 8935
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171, 207

EEur - Czechoslovakia
Econ
Oct 61

(DC-5965)

New Results in the Field of High-Output Semi-conductor Rectifiers in the CSSR, by Albert Kloss, Milan Kubat, 6 pp. OFFICIAL USE ONLY

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CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 11, 1960, pp 554-556.

JPRS 10619

Sci - Electricity
Nov 61

174 326

(DC-5965)

Interesting Foreign Exhibits of Heavy Current
Engineering at the Second International Fair
at Brno, by Vladimir Erbek, 6 pp. OFFICIAL
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CZECH, per, Elektrotechnicky Obzor, Vol XLIX,
No 12, 1960, pp T-71, T-80.

JPRS 11429

E Hlur - Czechoslovakia
Econ
Jan 62

179.255

100-1000
Soviet and Ukr Producers, by Vasil'ev, 1960
Sov. OFFICIAL USE ONLY

CHEM, per, Elektrotechnicheskoy Gospodarkoy, Vol. 10, No.
No 12, 1960, pp 617-619.

JPM: LIP

MR ~ Czernakowski
JPM
Jan 61

179, 2513

(DC-3360)

Rotary Medium-Frequency Converters, by Zdenek
Frejtlich, ~~XXXXXX~~ Rudolf Haas, Karel Sramek,
et al, 8 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor,
~~XXXXXX~~ Vol XLIX, No 12, 1960, pp 620-622.

JPRS 11429

~~XXXX~~ Libur - Czechoslovakia
Econ
Jan 62

179, 254

Liquid Metal Pump, by Hanka. UNCL

CZECH, per, Elektrotechnicky Obzor, Vol L, No 1, 1961,
pp 38-44.

*ATIC MCL-1343/1

Sci - Engr
1 Aug 61
28-7-569

Veverka, Antonin.
CORONA IN DIELECTRICS (Korona v Dielektriku).
[1963] [29]p. (foreign text included) 4 refs.
Order from SLA \$2.60

63-16705

Trans. of Elektrotechnicky Obzor (Czechoslovakia)
1961, v. 50, no. 1, p. 85-90.

DESCRIPTORS: *Electric insulation, *Dielectrics,
*Electrical corona, Transformers, Electric potential,
Coils.

In the first part of his paper the author analyzes the
conditions at a single discharge in the cavity of the
dielectric of an object which we may consider a con-
centrated capacitance. For this purpose, an ideal
model is employed. On an example it is shown how the
results may be applied to power considerations at an
alternating voltage. From the power balance on the
model, for which holds $C_1 < C_2 \ll C_3$, follows that at
(Physics--Electricity, TT, v. 10, no. 8) (over)

63-16705

I. Veverka, A.

Office of Technical Services

Veverka, Antonin.

CONTRIBUTION TO THE METHOD OF MEASURING
IONIZATION IN TRANSFORMERS (Prispevek k
Metodice Mereni Ionizace v Transformatorech). [1963]
[20]p. (foreign text included) 4 refs.
Order from SLA \$1.60

63-14928

I. Veverka, A.

Trans. of Elektrotechnicky Obzor (Czechoslovakia)
1961, v. 50, no. 4, p. 192-196.

DESCRIPTORS: Transformers, *Electric insulation,
*Ionization, Electric bridges, Electric discharges,
Power, Measurement.

It is shown how an appropriate adaptation of a high-voltage bridge permits separating in the diagonal of the balanced bridge the current pulses and the subsequent oscillations from the total current flowing into the object, even if the voltage of the source is not
(Engineering-Electrical, TF, v. 10, no. 4) (over)

Office of Technical Services

Fajt, V.
A NEW MODIFICATION OF A COMPENSATING
PERMEAMETER. [1962] 7p.
Order from ATS \$11.95 ATS-34P59C
Trans. of Elektrotech[nický] Obzor (Czechoslovakia)
1961, v. 50, no. 6, p. 332-335.

DESCRIPTORS: *Permeameters, Design, Magnetism.

(Physics--Magnetism, TT, v. 7, no. 11)

62-12783

I. Fajt, V.
II. ATS-34P59C
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

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(DC-5965⁴)

Testing of the Insulating Systems of the
Winding of Electric Rotary Machines,
Especially of Large Outputs, by Bohuslav
Cervenka, 16 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L,
No 8, 1961, pp T 35-T 40.

JPRS 12700

Sci - Electricity
Mar 62

183,538

(DC-5965)

Determination of the Resistance of Insulating Substances to Discharges, by Jan Arthauer,
4 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L,
No 8, 1961, pp 409-412.

JPRS 12700

Sci - Electricity
Mar 62

183,536

(DC-5965)

Experiences With Complex Ageing of Model Coils
Under Subtropical Conditions in China, by
L'udovit Kolar, 15 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol. L,
No 8, 1961, pp 433-439.

JPRS 12700

Sci - Elektricity Electrons 183, 537
Mar 62

(DC-5965)

Social Mission of the Czech Technical High School (CVUT) in the Third Five-Year Plan, by Frantisek Brabec, 6 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L,
No 9, 1961, pp 465-467.

JPRS 12365

MSur - Czechoslovakia
Econ
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184.5-15

(DC-5965)

Czechoslovak Activist Conference on Substitution
of Aluminum for Copper in Electric Equipment for
the Sake of the National Economy,
28 pp. OFFICIAL USE ONLY

CZSCH, per, Elektrotechnicky Obzor, Vol L,
No 9, 1961, pp 495-503.

JPRS 12365

EUR - Czechoslovakia
Econ
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(DC-5965)

Significance of Hydroenergetics in the Electrical
System of the CSSR, by Vaclav Behak, 8 pp.
GOVERNMENT USE ONLY

CZECH, per, Konference Elektrotechnicky Obzor, Vol L,
No 10, 1961, pp 521-523.

JFS 12832

ZEur - Czechoslovakia
Econ
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189,587

(DC-5965)

Perspective in the Construction of
Multipurpose Hydro-Energetic Works
in the CSSR, by Jaroslav Michalec,
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